

---

# Archives of Virology

Edited by

J. W. Almond, Reading

D. R. Lowy, Bethesda

F. A. Murphy, Atlanta (Editor-in-Chief)

E. Norrby, Stockholm

M. H. V. van Regenmortel, Strasbourg

C. Scholtissek, Giessen

A. Sugiura, Tokyo

D. O. White, Melbourne

---

Vol. 95, 1987

ISSN 0304-8608

Springer-Verlag  
Wien New York



# Archives of Virology

## Advisory Board

- |                                 |                                     |
|---------------------------------|-------------------------------------|
| Y. Becker, Jerusalem            | H.-D. Klenk, Marburg                |
| R. W. Bingham, Edinburgh        | Ch. Kunz, Wien                      |
| D. H. L. Bishop, Oxford         | H. L. Lipton, Chicago, Ill.         |
| K. Bister, Berlin               | B. W. J. Mahy, Pirbright            |
| C. M. Chu, Beijing              | V. ter Meulen, Würzburg             |
| E. De Clercq, Leuven            | C. A. Mims, London                  |
| J. M. Dalrymple, Frederick, Md. | L. Montagnier, Paris                |
| G. Darai, Heidelberg            | R. Mori, Fukuoka                    |
| J. W. Davies, Norwich           | P. Palese, New York, N.Y.           |
| F. Deinhardt, München           | S. Patterson, Harrow                |
| U. Desselberger, Glasgow        | H. G. Pereira, Rio de Janeiro       |
| F. Dianzani, Roma               | U. Pettersson, Uppsala              |
| P. Doherty, Canberra            | W. Plowright, Goring-On-            |
| H. J. Eggers, Köln              | Thames, Berks.                      |
| H. J. Field, Cambridge          | W. E. Rawls, Hamilton               |
| B. N. Fields, Boston, Mass.     | D. J. Rowlands, Woking              |
| Y. Ghendon, Moscow              | G. Siegl, Bern                      |
| A. J. Gibbs, Canberra           | J. Svoboda, Praha                   |
| O. Haller, Zürich               | P. E. Tambourin, Paris              |
| P. Halonen, Turku               | P. Tiollais, Paris                  |
| R. I. Hamilton, Vancouver       | D. A. J. Tyrrell, Salisbury, Wilts. |
| I. H. Holmes, Parkville, Vic.   | S. Urasawa, Sapporo                 |
| M. C. Horzinek, Utrecht         | J. Vilček, New York, N.Y.           |
| P. M. Howley, Bethesda, Md.     | Y. Watanabe, Isehara                |
| W. K. Joklik, Durham, N. C.     | H. A. Wood, Ithaca, N.Y.            |
| A. P. Kendal, Atlanta, Ga.      | J. Závada, Bratislava               |
| D. W. Kingsbury, Memphis, Tenn. |                                     |

Editorial Assistant: W. Tuma, Wien

The exclusive copyright for all languages and countries, including the right for photo-mechanical and any other reproductions including microform is transferred to the publisher. For copyright regulations and for further information, see the detailed "Instructions to Authors".

© 1987 by Springer-Verlag/Wien

## Contents: Vol. 95

### No. 1-2

#### Original Papers

- Lackmann, M., Ueckermann, C., Engelmann, Katrin, Koch, G.:** Properties of Poliovirus Associated Protein Kinase . . . . . 1
- Andzhaparidze, O. G., Chaplygina, N. M., Bogomolova, N. N., Lotte, V. D., Koptyaeva, I. B., Boriskin, Yu. S.:** Non-infectious Morphologically Altered Nucleocapsids of Measles Virus from Persistently Infected Cells . . . . 17
- Tsutsui, Y., Sonta, S., Kashiwai, A., Nogami, T., Furukawa, T.:** Viral Replication in HeLa/Fibroblast Hybrid Cells Infected with Human Cytomegalovirus . 29
- Kawano, K., Minamishima, Y.:** Removal of Nonspecific Hemagglutination Inhibitors, Immunoglobulin G, and Immunoglobulin A with Streptococcal Cells and Its Application to the Rubella Hemagglutination Inhibition Test . . . . . 41
- Sentsui, H., Kono, Y.:** Complement-mediated Hemolysis of Horse Erythrocytes Treated with Equine Infectious Anemia Virus . . . . . 53
- Sentsui, H., Kono, Y.:** Phagocytosis of Horse Erythrocytes Treated with Equine Infectious Anemia Virus by Cultivated Horse Leukocytes . . . . . 67
- Espion, D., de Henau, S., Letellier, C., Wemers, C.-D., Bresseur, R., Young, J. F., Gross, M., Rosenberg, M., Meulemans, G., Burny, A.:** Expression at the Cell Surface of Native Fusion Protein of the Newcastle Disease Virus (NDV) Strain Italien from Cloned cDNA . . . . . 79
- Toyoda, T., Hamaguchi, M., Nagai, Y.:** Detection of Polycistronic Transcripts in Newcastle Disease Virus Infected Cells and Identification of Their Sequence Content . . . . . 97
- Kempf, C., Kohler, Ursula, Michel, M. R., Koblet, H.:** Semliki Forest Virus-induced Polykaryocyte Formation is an ATP-dependent Event . . . . . 111

#### Brief Reports

- van Berlo, M. F., van den Brink, W. J., Horzinek, M. C., van der Zeijst, B. A. M.:** Fatty acid acylation of viral proteins in murine hepatitis virus-infected cells . . . . . 123
- Gerna, G., Arista, S., Passarini, N., Sarasini, A., Battaglia, M.:** Electropherotype heterogeneity within serotypes of human rotavirus strains circulating in Italy . . . . . 129
- Paturzo, F. X., Jacoby, R. O., Bhatt, P. N., Smith, Abigail L., Gaertner, Diane J., Ardito, R. B.:** Persistence of rat virus in seropositive rats as detected by explant culture . . . . . 137
- Smith, Abigail L., Barthold, S. W.:** Factors influencing susceptibility of laboratory rodents to infection with mouse adenovirus strains K 87 and FL . . . . . 143

<b>Kawamura, M., Mikami, T., Kodama, H., Izawa, H.:</b> Pathogenicity and immunogenicity in chickens of Newcastle disease viruses isolated from wild ducks . . . . .	149
<b>Erratum</b> . . . . .	157

## No. 3-4

## Original Papers

<b>Patel, J. R., Shilleto, R. W.:</b> Characterisation of lymphoproliferative disease virus of turkeys. Structural polypeptides of the C-type particles . . . .	159
<b>Jennings, D. M., Mellor, P. S.:</b> Variation in the responses of <i>Culicoides variipennis</i> (Diptera, Ceratopogonidae) to oral infection with bluetongue virus .	177
<b>Joassin, L., Vincenzotto, C., Cloes, J.-M., Bouchet, Mireille, Reginster, Monique:</b> Monoclonal antibodies detect M-protein epitopes on the surface of influenza virions . . . . .	183
<b>Wander, A. H., Bubel, H. C., McDowell, S. G.:</b> The pathogenesis of herpetic ocular disease in the Guinea pig . . . . .	197
<b>Ito, Yasuhiko, Tsurudome, Masato, Hishiyama, Michiko:</b> The polypeptides of human parainfluenza type 2 virus and their synthesis in infected cells .	211
<b>Nachtigal, M., Greenspan, P., Terracio, L., Fowler, S. D.:</b> Transformation of rabbit arterial smooth muscle cells with Simian virus 40 . . . . .	225
<b>Karpas, A., Malik, K., Lida, J.:</b> Studies of human retroviruses in relation to adult T-cell leukaemia, acquired immune deficiency syndrome, and multiple sclerosis . . . . .	237
<b>Jacoby, R. O., Bhatt, P. N., Gaertner, Diane J., Smith, Abigail L., Johnson, Elizabeth A.:</b> The pathogenesis of rat virus infection in infant and juvenile rats after oronasal inoculation . . . . .	251
<b>Surleraux, M., Bodeus, M., Burtonboy, G.:</b> Study of canine parvovirus polypeptides by immunoblot analysis . . . . .	271

## Brief Reports

<b>Kempf, C., Michel, M. R., Kohler, U., Koblet, H.:</b> A novel method for the detection of early events in cell-cell fusion of Semliki Forest virus infected cells growing in monolayer cultures . . . . .	283
<b>Schmaljohn, C. S., Lee, H. W., Dalrymple, J. M.:</b> Detection of Hantaviruses with RNA probes generated from recombinant DNA . . . . .	291

Abstracted/Indexed in:  
 Current Contents, SCI, ASCA, and  
 ISI/BIOMED, Biosis, Chemical Abstracts,  
 Current Awareness in Biological Sciences

